

HEURISTIC-BASED CONDITIONAL DATA INDEXING

ABSTRACT

A computer system for the indexing of data in which a heuristic determination function is applied to predict an efficient index updating approach. The system is able to update an index relating to a first data set by incrementally updating the index or by a rebuild of the index at the completion of the addition of a second set of data to the first set of data. The system applies a heuristic determination function to the characteristics of the first set of data, its index, and the second set of data, to predict whether an incremental update or a rebuild update of the index will result in a more efficient rebuild of the data. The system applies this approach to a restore and rollforward recovery or a data load operation to improve the efficiency of these operations.

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